

What is claimed is:

1. A composition for treating joint disorders in vertebrates, comprised of a palatability agent, an herbal phytochemical and a metabolic precursor, wherein said agent, phytochemical and precursor act synergistically to increase blood circulation, thereby enhancing transport of said phytochemical and metabolic precursor to an affected site whereby deleterious inflammatory byproducts are removed.
- 5 2. The composition of Claim 1, wherein said palatability agent is selected from the group consisting of plant oils, plant hydrolysates, yeast, yeast hydrolysates, and organ and muscle preparations derived from fowl, bovine, porcine or fish.
- 5 3. The composition of Claim 1, wherein said phytochemical is selected from the group consisting of cayenne, ginger, turmeric, yucca, Devil's Claw, nettle leaf, Black Cohosh, alfalfa, and celery seeds.
4. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 2 to about 55 milligrams of cayenne per 25 pounds of body weight.
5. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 50 to about 220 milligrams of ginger root per 25 pounds of body weight.
6. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 50 to about 400 milligrams of turmeric per 25 pounds of body weight.

7. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 400 to about 3000 milligrams of yucca per 25 pounds of body weight.

8. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 200 to about 2000 milligrams of Devil's Claw per 25 pounds of body weight.

9. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 100 to about 750 milligrams of nettle leaf per 25 pounds of body weight.

10. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 20 to about 500 milligrams of Black Cohosh per 25 pounds of body weight.

11. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 100 to about 800 milligrams of alfalfa per 25 pounds of body weight.

12. The composition of Claim 3, wherein said daily dose for vertebrates ranges from about 20 to about 400 milligrams of celery seeds per 25 pounds of body weight.

13. The composition of Claim 1, wherein said metabolic precursor is selected from the group consisting of glucosamine, glucosamine salts, chondroitin sulfate, mucopolysaccharides and tissue preparations containing 5 chondroitin sulfate.

14. The composition of Claim 13, wherein said daily dose for vertebrates ranges from about 50 to about 2000 milligrams of glucosamine per 25 pounds of body weight.

15. The composition of Claim 13, wherein said daily dose for vertebrates ranges from about 50 to about 2000 milligrams of chondroitin sulfate mucopolysaccharide per 25 pounds of body weight.

16. The composition of Claim 15, wherein said chondroitin sulfate mucopolysaccharide is derived from bovine tracheal digest, said digest including mucopolysaccharides and tissue preparations containing chondroitin sulfate.

17. The composition of Claim 1, wherein said composition has a flavor desirable to a vertebrate to be treated.

18. The composition of Claim 1, wherein said composition arrests the inflammatory response in an affected tissue, thereby permitting degradation processes to be halted and repair to be initiated.

19. The composition of Claim 1, wherein said composition diminishes the oxidative effects of free radicals and precludes damage to anabolic enzymes used in the metabolic synthesis of components required to repair damaged tissues.

20. The composition of Claim 1, wherein said composition precludes the degradation of synovial fluid hyaluronin.

21. The composition of Claim 1, wherein said composition suppresses an autoimmune response in a vertebrate.

22. A composition for treating joint disorders in vertebrates, comprising:

(a) a palatability agent selected from the group consisting of yeast, yeast autolysates, and organ and muscle preparations derived from chicken or bovine;

5 (b) an herbal phytochemical selected from the group consisting of cayenne, ginger, turmeric, yucca, Devil's Claw, nettle leaf, Black Cohosh, alfalfa and celery seeds; and

(c) a metabolic precursor selected from the group 10 consisting of glucosamine, glucosamine salts, chondroitin sulfate, mucopolysaccharides and tissue preparations containing chondroitin sulfate, wherein the daily dose of such composition comprises from about 50 to about 2000 mg of said metabolic precursor per 25 pounds of body weight, and from 15 about 2 to about 3000 mg of said phytochemical per 25 pounds of body weight.

23. A method for treating joint disorders in vertebrates, comprising administering a therapeutically effective quantity of a palatability agent, an herbal phytochemical and a metabolic precursor, said composition including effective quantities of cayenne, ginger, turmeric, yucca, Devil's Claw, nettle leaf, Black Cohosh, alfalfa, celery seeds, glucosamine and salts thereof, and chondroitin sulfate, said composition effective to increase blood circulation in a vertebrate.

24. The method as set forth in Claim 23, wherein said composition has an effect selected from the group consisting of arresting an inflammatory response, diminishing the oxidative effect of free radicals, suppressing an autoimmune response and providing metabolic precursors for biosynthesis of macromolecules necessary in the repair and maintenance of damaged joint tissues.